

CITY OF SPRINGFIELD, MISSOURI  
SOUTHWEST WASTEWATER TREATMENT PLANT  
LABORATORY ANALYSIS REQUEST

SAMPLE DESCRIPTION AND PHYSICAL APPEARANCE: A-1 Automotive

DATE IN: 10/20

CHECK ANALYSIS DESIRED:

SUSPENDED SOLIDS

BOD<sub>5</sub> 437 752 mg/l

COD 622 mg/l

pH 12.54

NH<sub>3</sub>-N        mg/l

PO<sub>4</sub> ORTHO — mg/l

CARBON C<sub>T</sub> 1090 C<sub>I</sub>        C<sub>O</sub> 902

TOXICITY       

HEAVY METALS (SPECIFY):       

OTHER (SPECIFY):       

Date:       

Date:       

Date:       

Date:       

Date:       

Date:       

Date:       

Date:       

Date:       

REPORT OUR:

Date: 10/25/77

By: J. Reese

FIRM NAME Davis Automotive Inc.

ADDRESS 1300 E. Chestnut

TELEPHONE 8620554

PERSONNEL CONTACTED Warren Mantya

POSITION Shop Manager

Mr. Charles W. Higdon

POSITION Owner

POSITION \_\_\_\_\_

ACTION INITIATED BY: \_\_\_\_\_

*Mullin  
Mullin*

1) - 3/21/73 - Sample Taken of discharge to lot.  
Analysis enclosed.

2) - 4-2-73 - letter To Mr. Mantya from C. Criswell  
about findings of analysis, etc.

1300 E. CHESTNUT EXP.

October 27, 1980

Mr. J. T. Porter  
A-1 Machine Shop  
1300 E. Chestnut Expressway  
Springfield, Missouri 65802

Dear Mr. Porter:

This letter will confirm our conversation on October 24, 1980, concerning the discharge from the parts washing area.

This office did observe that the parts wash area is currently tributary to the sanitary sewer and no longer discharges to surface drainage.

As this office informed you earlier, federal and state laws are changing and the parts wash may not be acceptable for discharge to the sanitary sewer in the future.

Your cooperation in this matter has been appreciated. If this office can be of any assistance, please feel free to call.

Yours truly,

Stephen D. Short  
Water Pollution Control Inspector II  
Surveillance & Enforcement

SDS:js

cc: John Nixon, P.E., Department of Natural Resources

1300 E. CHESTNUT EXP.

CITY OF SPRINGFIELD  
INTER-OFFICE MEMORANDUM

ATTENTION OF \_\_\_\_\_ FILE \_\_\_\_\_

DATE \_\_\_\_\_ Sept. 29, 1980

DEPARTMENT \_\_\_\_\_

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I inspected A-1 Auto Machine Shop on this day. The shop foreman said it would be two weeks before the parts cleaning sump was connected to the sanitary. He also stated they had the necessary supplies on hand to complete the job.

SIGNED \_\_\_\_\_ SDS  
1300 E. CHESTNUT EXP.

June 19, 1978

Mr. Bob Hendricks  
A-1 Auto Parts  
1300 East Chestnut  
Springfield, Missouri 65802

Dear Mr. Hendricks:

Recently personnel from this office made an inspection of your property at 1300 East Chestnut. It was found that you have not corrected your problem with your parts wash area discharging to the ground, on the east side of your building.

Personnel from this office met with you on December 1, 1977, to discuss the problem. At that time you stated that you would correct the problem and contact this office when the work was completed. The time table for the completion of this work was left up to your discretion.

Since over a year has passed since we last met with you, and the required improvements have not been made, please contact this office within 15 days to give us a definite time table for the completion of this work.

If you have any questions, please feel free to call.

Yours truly,

Gene Pabst  
Water Pollution Control Inspector III  
Surveillance & Enforcement

GP:pg

cc: Mr. John Nixon, Regional Administrator, Department of Natural Resources  
Mr. Henry Cole, Sanitary Engineer, City of Springfield  
Public Works File

1300 E. CHESTNUT EXP



CITY OF SPRINGFIELD  
INTER-OFFICE MEMORANDUM

ATTENTION OF Memo to file

DATE July 12, 1978

DEPARTMENT \_\_\_\_\_

Re: Hot tank discharge  
A-1 Automotive - 1300 E. Chestnut

Mr. Charles Higdon, with A-1 Auto, was contacted about their hot tank discharge to the east of their building. Mr. Higdon indicated that he knew very little about the situation, but would do whatever was needed to correct the problem. Mr. Higdon commented that he had not seen any of the other correspondence between Mr. Hendricks and this office. He said that we should have been talking to him all along. Mr. Higdon will contact this office when the work is completed.

SIGNED \_\_\_\_\_

*Gene Pabst*  
Gene Pabst

1300 E. CHESTNUT EX

CITY OF SPRINGFIELD  
INTER-OFFICE MEMORANDUM

DATE December 1, 1977

ATTENTION OF Memo to file


DEPARTMENT

Re: Discharge from A-1 Automotive

Personnel from this office contacted A-1 Automotive, 1300 E. Chestnut, to discuss with them the elimination of the discharge from their building. Mr. Hendricks said that they would put in a sump with a retention time of 30 minutes, plus a series of baffles within the sump. He will contact this office when the project is completed so a final inspection can be made by this office.

AM

SIGNED

  
Gene Pabst

1300 E. CHESTNUT

# GREASE ANALYSIS

DATE 10/20 19 77

SAMPLING POINT A-1 AUTOMOTIVE

MATERIAL SAMPLED \_\_\_\_\_

SAMPLE AND CONTAINER \_\_\_\_\_ GRAMS

CONTAINER \_\_\_\_\_ GRAMS

SAMPLE 1000 GRAMS

GREASE & FLASK 63.364 GRAMS

FLASK 63.261 GRAMS

GREASE 0.103 GRAMS

CALCULATIONS: 103 mg/l

$$\frac{\text{GREASE (g)} \times 100}{\text{Sample (g)} \times \% \text{ Dry Solids}} = \% \text{ Grease (Dry Basis)}$$

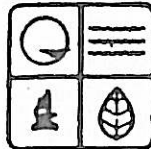
OTHER SOLVENT EXTRACTABLES RETAINED ON PAPER = 1170 mg/l

CHEMIST \_\_\_\_\_



1.300 Springfield  
A-One Automotive

Joseph P. Teasdale  
Governor



Carolyn Ashford  
Director

## missouri department of natural resources

1155 E Cherokee St

Springfield Regional Office  
Springfield, Missouri 65807

417-883-4033

August 19, 1977

Mr. Robert Hendrix  
A-One Auto Parts  
1300 E. Chestnut Expressway  
Springfield, MO 65802

Dear Sir:

Our office has received numerous copies of correspondence from the Springfield City Sanitary Services to you concerning elimination of the discharge of rinse water at your shop on East Chestnut Expressway. We have recently been informed that the discharge has not yet been eliminated.

Our files indicate that no NPDES Permit has been issued to authorize this discharge. Please note that this is a violation of State and Federal laws and is enforceable by fines and penalties provided therein.

To preclude legal action, you must within ten days of the date of this letter either apply for a NPDES Permit on the enclosed application form or submit a time schedule for implementing actions for the elimination of the discharge. The discharge must then be eliminated prior to September 30, 1977.

If you have any questions, please advise.

Sincerely,

Charles L. Kroeger  
Environmental Specialist II  
Springfield Regional Office  
Department of Natural Resources

CLK/jo

cc Mr. Eugene Pabst, City of Springfield  
Water Quality Program

1300 E. CHESTNUT EXP.

July 22, 1977

Mr. Robert Hendrix  
A-One Auto Parts  
1300 E. Chestnut Expressway  
Springfield, Missouri 65802

Dear Mr. Hendrix:

Some time has passed since you received a letter from this office requesting that you connect your parts' rinsing area to the sanitary sewer. To this date the drain is still discharging through the east wall of your building onto your property. Let me point out that this discharge is an apparent violation of City, State, and Federal Law and carries quite severe penalties for such a discharge.

It is the opinion of this office that this discharge be eliminated as soon as possible. Please contact this office in writing, within 15 days as to what action you plan to take in correcting this problem.

If you have any questions, please feel free to call.

Yours truly,

Gene Pabst  
Water Pollution Control Inspector III  
Surveillance & Enforcement

cc: Mr. John Nixon, Regional Administrator,  
Department of Natural Resources  
✓Public Works File

1300 E. CHESTNUT EXP.



November 5, 1975

Mr. Bob Hendricks  
A-1 Auto Parts  
1300 E. Chestnut  
Springfield, Missouri 65802

Dear Mr. Hendricks:

Enclosed is a copy of the correspondence dated April 2, 1973, from this office to Davis Automotive as you requested at our meeting on October 31, 1975. I am also enclosing a copy of a letter, dated July 8, 1975, that was sent to Davis Automotive from the Department of Natural Resources, requesting that Davis apply for a National Pollutant Discharge Elimination System Permit if the discharge had not been eliminated.

If you need any further information, or if we can be of further assistance, feel free to call.

Yours truly,

Eugene Pabst  
Water Pollution Control Inspector  
Surveillance & Enforcement

GP:mh

Enclosures (2)

cc: Public Works File ✓

1300 E. CHESTNUT EXP.

October 22, 1975

Mr. Bob Hendricks  
A-1 Auto Parts  
1300 E. Chestnut  
Springfield, Missouri 65802

Dear Mr. Hendricks,

Recently, a Surveillance & Enforcement crew from this office talked to personnel from the above location about a discharge pipe on the East side of your building. This pipe is tied directly to the parts rinsing area, next to your dip tank. It is our understanding that your procedure for cleaning parts is that the parts are dipped into the alkaline material, withdrawn, and then rinsed with water. The rinse water then discharges through the pipe on the East side of your building onto the ground. The discharge of this material onto your property, where it can be carried off by any stormwater, is in apparent violation of City, State, and Federal Law.

It is the opinion of this office that the rinsing area should be connected to the Sanitary Sewer as soon as possible. In addition, we would require that a sump be installed to exclude excessive solids and oil from entering the Sanitary Sewer.

This letter does not eliminate your need to obtain the necessary permits to do this work. All permits must be obtained through the Building Regulations Department in City Hall. Also, a final plumbing inspection must be made after the work is completed.

Additionally, when the entire contents of your dip tank is ready to be discarded it cannot be discharged into the Sanitary Sewer. It must be disposed of by a reputable industrial waste disposal service. We know of no such service operating in Springfield at the present time. When it comes time to discard this material please contact this office or the State of Missouri, Department of Natural Resources and we will give you whatever aid we are able in locating a proper disposal site. Please note that no liquid material may be taken to the City Sanitary Landfill.

1300 E. CHESTNUT ST. P.



Mr. Bob Hendricks  
October 22, 1975  
Page 2

Please, submit to this office, in writing within 15 days, a compliance schedule indicating when you expect the above referenced work to be completed.

If we may be of any further assistance or can answer any questions, please do not hesitate to call.

Yours truly,

Eugene Pabst  
Water Pollution Control Inspector  
Surveillance & Enforcement

GP:mh

ccs: Mr. John Nixon, Acting Regional Administrator, Department of Natural Resources  
Mr. Stanley Hetchcock, President, Grace's Cabinet Shop, Inc.  
Mr. Harold Bengsch, Chief, Environmental Health & Hygiene  
Public Works File

1.300 Springfield  
Davis Automotiv

July 8, 1975

Davis Automotive, Inc.  
1300 East Chestnut  
Springfield, Missouri 65802

Gentlemen:

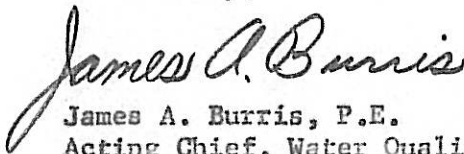
The City of Springfield, Department of Sanitary Services has advised us that a discharge of wastewater exists at your facilities located at 1300 East Chestnut, Springfield, Missouri.

All discharges of wastewater need to file application for a Federal National Pollutant Discharge Elimination System Permit and State of Missouri Operating Permit, permitting such a discharge.

We suggest that the City of Springfield be contacted for assistance in possible elimination of discharge. In the interim please make application for the necessary permits to continue discharge. Forms for this purpose are enclosed.

Should you have any questions concerning this matter, please feel free to contact us.

Yours truly,



James A. Burris, P.E.  
Acting Chief, Water Quality Program  
Springfield Regional Office  
Department of Natural Resources

JAB:cm

encl.

cc: Central Office  
Charles Criswell, Dept. Sanitary Services ✓

1300 E. CHESTNUT EXP.

CITY OF SPRINGFIELD, MISSOURI  
DEPARTMENT OF PUBLIC HEALTH AND WELFARE  
GENERAL SANITATION SECTION

Date 10-20-77

Time 9:15 A.M.,        P.M.

Lab. No. Sani Serv. (misc)

Sealed ( ) Unsealed ( ☒ )  
Official ( ☒ ) Unofficial ( )

(Fill in this space if illness occurred)

No. persons ill        Symptoms       

Time of ingestion       

Time of onset of symptoms       

Sample submitted by:

Name Gene Pabst - Sanitary Services

Address       , Missouri

Sample of        Perishable ( ) Non-perishable ( )

Condition of sample on arrival : Satisfactory ( ) Unsatisfactory ( ) Iced ( )

Name of Manufacturer A-1 Auto (Beginning) A-1 Auto (End)  
(If not same as above)

Address A-1 Auto (Average), Missouri

Reason for analysis       

TESTS TO BE RUN:

Chemical & Physical - - - Common Poisons ( ), Federal Standards ( ), Insects  
(Eggs & Larvae) ( ), Insect fragments ( ), Sulphites ( ), Preservatives ( )  
Starches or cereals ( ), Filth ( ), Other ( ),       

Bacteriological - - - -  
Total Count ( ), Coliform ( ), Other       

Fe, Pb, Cu, Zn, Cr, inhibition, pH

        
Sample received by

LABORATORY RESULTS & CONCLUSIONS: Analyst        Date 10-21-77

SEE BACK OF SHEET

(Use back for additional information)

April 2, 1973

Mr. Warren Martya, Shop Manager  
Davis Automotive  
1300 East Chestnut Expressway  
Springfield, Missouri 65802

Dear Mr. Martya:

Thank you for the courtesy extended personnel from this office during their recent visits to your business. As they informed you, we were concerned about the nature of the material discharged to the lot behind your building. Our analysis of this material indicated a waste extremely high in oxygen demand, extremely high in suspended solids, and with a highly alkaline pH. The discharge of this material into the streams or storm sewers is a violation of City, State, and Federal Laws. The placement of this material on your property where it can be reasonably expected to be carried away by subsequent stormwater is similarly a violation of the law.

It is my understanding that your operation includes a parts washer with the alkaline material in question as the washing agent. Parts are dipped into the tank, withdrawn, and rinsed. The total volume of wash drippings and rinse is variable, but appears not to exceed fifty (50) gallons per day. The pH of this discharge (12.43) exceeds even the limit of 9.0 as set by Section 30-9(f) of the City Code, for discharge into the sanitary sewer. When the washing ability of the tank material is exhausted, the entire contents is discarded. If this is an accurate picture of your operation, especially where the volume estimate is concerned, then we would be able to accept your discharge into the sanitary sewer. Since the volume estimate is quite small, there will probably be some neutralization of the corrosive properties. If we find that serious problems result, then pretreatment or another means of disposal will have to be provided in the future. There will have to be a sump in addition to exclude excessive solids and oil from the discharge.

When the entire tank contents is discarded, it cannot be discharged into

Mr. Warren Martya, Shop Manager  
April 2, 1973  
Page -2-

the sanitary sewer. It must be disposed of by a reputable industrial waste disposal service. I know of no such service in Springfield. If you would desire to have the material taken to the City's Sanitary Landfill, you should supply us with an accurate analysis by a reputable laboratory engaged in environmental work. This analysis should include pH, chromium (both hexavalent and total), copper, cyanide, iron, lead, nickel, oil and grease, cadmium, and zinc. From this information we would be able to determine whether or not it could be accepted into the landfill without detriment to the operation.

In addition, I would caution you not to exceed the recommended strength of the wash material in your dip tank. When our people were there they indicated that it was possible that you were presently overusing the wash product to a great extent.

I would like to know, too, if you have a similar operation in your branch at 2139 South Campbell.

I would also remind you that notification of acceptability of a waste for discharge to the sanitary sewers does not constitute a permit for in-house work. All permits must be obtained through the Building Regulations Office, and a final plumbing inspection must be made after all work is complete.

If we may be of any further assistance or can answer any questions, please do not hesitate to call.

Yours truly,

Charles H. Criswell  
Chemist and Aquatic Biologist  
Industrial Waste Surveillance & Enforcement

CHC:cc

cc: Mr. Steve Decker, Regional Engineer, Missouri Clean Water Commission



Davis Automotive  
Reported 3/21

Est. Vol. Flow - to gpd

pH 12.43  
SS 4,500  
BOD 1400  
COD 13131

Davis Automotive Inc.  
1300 E. Chestnut

862-0554

Over use 70:1

Branch 2139 S. Campbell 883-3131

1300 E. CHESTNUT EXP.